CHRISTOPHER MCLOUGHLIN

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EDUCATION

Purdue University, College of Science — **West Lafayette, IN**
Bachelor of Science, Computer Science with Minor in Communications — **Anticipated May 2027**

RELEVANT COURSEWORK

Programming in C, Intro to Object Oriented Programming in Java, Data Analytics in Python, Calculus 1-3, Linear Algebra, Computer Architecture, Foundations of Computer Science, Data Structures and Algorithm

TECHNICAL SKILLS

Java, C, Python, Selenium, React, Pandas, R, SQL, HTML, CSS, JavaScript, C++, Tailwind, Vercel, Node.js, REST API

INTERESTS & HOBBIES

Automation, web scraping, APIs, data visualization, machine learning, community work, volleyball, computer hardware

PROFESSIONAL EXPERIENCE

Purdue Corporate Partners & Feenix Group — **West Lafayette, Indiana**
Undergraduate Data Science Researcher — **August 2025 – Present**

- Collaborated with Feenix Group partners and a team of 8 developers to design and deploy a real-time analytics dashboard tracking engagement and monetization metrics across Roblox games using AGILE framework.
- Developed a frontend interface using React, implementing interactive markups and modular components for internal stakeholders to visualize live and historical trends.
- Engineered a relational database and scheduling system to automate periodic data collection from public APIs, enabling continuous time-series tracking without manual intervention.
- Implemented a timestamp-based retrieval function to extract current snapshot data for on-demand analytics and comparisons.
- Utilized SQL and R for data aggregation and visualization, uncovering player retention and performance patterns that informed product strategy.
- Improved scraping efficiency via data requests and optimized query scheduling.
- Contributed to technical documentation, testing, and data validation processes to ensure consistent and accurate dashboard performance.

HIGHLIGHTED TECHNICAL PROJECT

Optimized Shopping Project — **October 2025**

- Built a Python backend that integrates with the Kroger API to convert a user's shopping list and ZIP code into an optimized, aisle-sorted route through the store.
- Implemented REST API calls, data extraction, and sorting algorithms to provide location-specific shopping efficiency.

INVOLVEMENT & LEADERSHIP

- Secretary, Purdue CS Undergraduate Student Board — Led mentorship and tutoring initiatives; coordinated technical workshops and communication for 100+ members.
- Site Supervisor, Washington Township Parks — Managed 42 counselors and 250+ campers, ensuring safety and smooth operations.